

## INTERNATIONAL SEARCH REPORT

PCT/US2004/001337

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60R7/04 F16B5/12 E05D7/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16B B65D E04D E05D B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 829 814 A (WAGNER HELMUT ET AL) 3 November 1998 (1998-11-03)	1
Y	column 2, line 54 - column 3, line 20; figures 1a,2	2-6, 11-19
Y	GB 2 203 191 A (BORAM FRANK) 12 October 1988 (1988-10-12) page 4, line 3 - page 6, line 10 page 8, paragraph 2	2-6, 11-19
X	FR 2 307 218 A (DEUTSHER PTY LTD) 5 November 1976 (1976-11-05) page 2, line 19 - page 4, line 37; figures 1,2,4,6	20-22
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

15 June 2004

Date of mailing of the international search report

21/06/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN  vol. 0081, no. 95 (M-323),  7 September 1984 (1984-09-07)  &amp; JP 59 084643 A (NISSAN JIDOSHA KK;  others: 01), 16 May 1984 (1984-05-16)  abstract</p> <p>-----</p>	1

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5829814	A	03-11-1998	DE 19506295 A1 FR 2732716 A1 GB 2298235 A ,B IT RM960085 A1	05-09-1996 11-10-1996 28-08-1996 07-08-1997
GB 2203191	A	12-10-1988	NONE	
FR 2307218	A	05-11-1976	FR 2307218 A1	05-11-1976
JP 59084643	A	16-05-1984	NONE	